

WHAT IS CLAIMED IS:

1. A wallpaper manufacturing method, comprising the steps of:

5 storing design data of said wallpaper in a storage medium;

inputting accepting order information including amount information concerning an amount of said wallpaper and design information concerning a design of said wallpaper;

10 fetching design data from said storage medium based on said design information in said inputted accepting order information; and

printing, on wallpaper sheet, said design data fetched from said storage medium by a quantity led from said amount information of said wallpaper in said inputted accepting order information.

15 2. The method according to claim 1, wherein a plurality of items of design data are accumulated in said storage medium, and

20 said step of inputting said accepting order information includes a process for selecting and designating one from a plurality of items of said design data accumulated in said storage medium.

25 3. The method according to claim 1, wherein said step of storing said design data of said wallpaper in said storage medium includes a process for registering a user's own design data by said user.

4. The method according to claim 1, wherein  
said step of inputting said accepting order  
information includes a process for designating a color  
tone of said design of said wallpaper,

5 in said step of printing, said design data of said  
wallpaper being printed on said wallpaper sheet  
according to said designated color tone.

5. The method according to claim 1, wherein  
said step of inputting said accepting order  
10 information includes a process for designating an  
alignment method for repeatedly aligning said design of  
said wallpaper,

in said step of printing, said design data of said  
wallpaper being repeatedly printed on said wallpaper  
15 sheet according to said designated alignment method.

6. The method according to claim 1, wherein  
said step of inputting said accepting order  
information includes a process for designating a size  
of said design of said wallpaper,

20 in said step of printing, said design data of said  
wallpaper being printed on said wallpaper sheet  
according to said designated size.

7. The method according to claim 1, further  
comprising:

25 a step of modifying said design data fetched from  
said storage medium when repeatedly aligning said  
design of said wallpaper in such a manner that said

design becomes continuous at a boundary portion.

8. The method according to claim 1, further comprising:

5 a step of creating and displaying an image showing a state in which said wallpaper is virtually attached in a room by attaching said design data of said wallpaper fetched from said storage medium on a desired portion on an image of the room in which said wallpaper is to be attached.

10 9. The method according to claim 1, wherein in said step of printing, an oil-based pigment ink is used to print said design data on said wallpaper sheet.

15 10. The method according to claim 1, wherein said step of inputting said accepting order information includes a process for receiving said accepting order information transmitted from an input device provided in an area distanced from said storage medium through the Internet.

20 11. A wallpaper manufacturing method, comprising the steps of:

inputting dimension and shape information of a wall surface on which wallpaper is attached;  
25 determining a positional relationship between said wall surface and a design by applying design data of said wallpaper on a virtual wall surface based on said inputted dimension and shape information;

determining on said virtual wall surface a shape and a position of each of a plurality of pieces of wallpaper attached on said wall surface while taking a width of said wallpaper into consideration; and

5        determining a design, a dimension and a shape of each of a plurality of said pieces of wallpaper from said determined positional relationship between said wall surface and said design and said determined shape and position of each of a plurality of said pieces of  
10       wallpaper.

12. The method according to claim 11, further comprising:

      a step of laying out each piece of wallpaper on a wallpaper sheet based on said determined design,  
15       dimension and shape of each piece of wallpaper.

13. The method according to claim 12, further comprising:

      a step of generating wallpaper printing data based on said determined layout of each piece of wallpaper on  
20       said wallpaper sheet.

14. The method according to claim 11, further comprising:

      a step of overlapping a positioning mark on a design of each piece of wallpaper in an operation for  
25       attaching said wallpaper.

15. A wallpaper manufacturing apparatus, comprising:

a storage medium for accumulating design data of wallpaper;

an input device for inputting accepting order information including amount information concerning an amount of said wallpaper and design information  
5 concerning a design of said wallpaper;

a fetch device for fetching said design data from said storage medium based on said design information in said accepting order information inputted by said input  
10 device; and

a printer for printing on a wallpaper sheet said design data fetched from said storage medium by said fetch device by a quantity led from said amount information of said wallpaper in said accepting order  
15 information inputted by said input device.

16. A wallpaper manufacturing apparatus, comprising:

an input device for inputting dimension and shape information of a wall surface on which wallpaper is  
20 attached;

a positional relationship determining device for determining a positional relationship between said wall surface and a design by applying design data of said wallpaper on a virtual wall surface based on said  
25 dimension and shape information inputted from said input device;

a shape and position determining device for

determining on said virtual wall surface a shape and a position of each of a plurality of pieces of wallpaper attached on said wall surface while taking a width of said wallpaper into consideration; and

5           a wallpaper determining device for determining a design, a dimension and a shape of each of a plurality of said pieces of wallpaper from said positional relationship between said wall surface and said design determined by said positional relationship determining  
10 device and said shape and said position of each of a plurality of said pieces of wallpaper determined by said shape and position determining device.

17. A wallpaper manufacturing apparatus,  
comprising:

15           storage means for accumulating design data of wallpaper;

          input means for inputting accepting order information including amount information concerning an amount of said wallpaper and design information  
20 concerning a design of said wallpaper;

          fetch means for fetching said design data from said storage means based on said design information in said accepting order information inputted by said input means; and

25           print means for printing on a wallpaper sheet said design data fetched from said storage means by said fetch means by a quantity led from said amount

information of said wallpaper in said accepting order information inputted by said input means.

18. A wallpaper manufacturing apparatus, comprising:

5       input means for inputting dimension and shape information of a wall surface on which wallpaper is attached;

          positional relationship determining means for determining a positional relationship between said wall  
10       surface and a design by applying design data of said wallpaper on a virtual wall surface based on said dimension and shape information inputted from said input means;

          shape and position determining means for  
15       determining on said virtual wall surface a shape and a position of each of a plurality of pieces of wallpaper attached on said wall surface while taking a width of said wallpaper into consideration; and

          wallpaper determining means for determining a  
20       design, a dimension and a shape of each of a plurality of said pieces of wallpaper from said positional relationship between said wall surface and said design determined by said positional relationship determining means and said shape and said position of each of a  
25       plurality of said pieces of wallpaper determined by said shape and position determining means.

19. A program for causing a computer to execute

following processing, comprising:

processing for storing design data of wallpaper in  
a storage medium;

processing for inputting accepting order

5 information including amount information concerning an  
amount of said wallpaper and design information  
concerning a design of said wallpaper;

processing for fetching design data from said  
storage medium based on said design information in said  
10 inputted accepting order information; and

processing for printing said design data fetched  
from said storage medium on a wallpaper sheet by a  
quantity led from said amount information of said  
wallpaper in said inputted accepting order information.

15 20. A program for causing a computer to execute  
following processing, comprising:

processing for inputting dimension and shape  
information of a wall surface on which wallpaper is  
attached;

20 processing for determining positional relationship  
between said wall surface and a design by applying  
design data of said wallpaper on a virtual wall surface  
based on said inputted dimension and shape information;

processing for determining on said virtual wall  
25 surface a shape and a position of each of a plurality  
of pieces of said wallpaper attached on a wall surface  
while taking a width of said wallpaper into



consideration; and

processing for determining a dimension and a shape  
of each of a plurality of pieces of said wallpaper from  
said determined positional relationship between said  
5 wall surface and said design and said determined shape  
and position of each of a plurality of said pieces of  
said wallpaper.